

WHAT IS CLAIMED IS:

1. A project program change management system comprising:

5 an input means to input a project program change regarding arbitral objects that compose works of a project,

a project change influence inference means that infers and specifies objects which are influenced by said project program change in response thereto,

10 a stake holder inference means that infers and specifies stake holders who are relevant to said objects inferred and specified in said project change influence inference means, and;

a information notice means that notifies information  
15 regarding influence of contents of program change to stake holders who are inferred and specified by said stake holder inference means.

2. A project program change management system  
20 comprising:

an input means to input a project program change regarding arbitral objects that are works such as construction, development and manufacturing of a project,

a project change influence inference means that infers  
25 and specifies objects which are influenced by said project program change in response thereto,

a stake holder inference means that infers and specifies stake holders who are relevant to said objects inferred and specified in said project change influence inference means,  
30 and;

an information notice means that notifies information regarding influence of contents of program change to those stake holders who are inferred and specified by said stake

holder inference means, wherein;

said project change influence inference means infers and specifies objects that are to be influenced by said project program change by using information, being stored in a data storage means therein, of the restrictive condition regarding said project.

3. A project program change management system comprising:

an input means to input a project program change regarding arbitral objects that are works such as construction, development and manufacturing of a project,

a project change influence inference means that infers and specifies objects which are influenced by said project program change in response thereto,

a stake holder inference means that infers and specifies stake holders who are relevant to said objects inferred and specified in said project change influence inference means, and;

a information notice means that notifies information regarding influence of contents of program change to those stake holders who are inferred and specified by said stake holder inference means, wherein;

said stake holder inference means that infers and specifies stake holders who are relevant to said objects which are to be influenced by said project program change by using information, being stored in a data storage means therein, of peoples and organization regarding said project.

4. A project program change management system according to Claim 3, wherein;

a process that manages information regarding approvals given by said stake holders and stores said information in a

data storage means is included.

5. A project program change management system according to Claim 1, wherein;

5 project programs to be changed or to have been changed in said project program change cover process programs, financial budgets, head count budgets of working persons, organization change, material budgets, risk management programs, procurement programs, quality control programs,  
10 operation rules and elemental prescription of contracted agreements.

6. A project program change management system according to Claim 1, wherein;

15 a process to infer and specify objects which are to be influenced by said project program change on a basis of a predetermined criterion for evaluating influence against said objects is included.

20 7. A project program change management system according to Claim 6, wherein;

an initial data regarding project programs is updated only when all relevant stake holders accept an arbitral project program change or said stake holders approve updating of said  
25 initial data regarding project program on a basis of a predetermined criterion for evaluating said updating.

8. A project program change management system according to Claim 2, wherein;

30 said information, being stored in a data storage means therein, of the restrictive condition regarding said project includes at least sequential order of tasks or milestones, due date of contracted matters, available financial budget and

operators, an upper limit of quantity of materials, equipments and machineries and restrictive condition based on operation rules and elemental prescription of contracted agreements

5           9.     A project program change management system according to Claim 1, wherein;

          a process to infer and specify not only direct but also indirect influences by said project program change is included.

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          10.    A project program change management method comprising:

          an input step to input a project program change regarding arbitral objects that compose works of a project,

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          a project change influence inference step that infers and specifies objects which are influenced by said project program change in response thereto,

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          a stake holder inference step that infers and specifies stake holders who are relevant to said objects inferred and specified in said project change influence inference step, and;

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          an information notice step that notifies information regarding influence of contents of program change to those stake holders who are inferred and specified by said stake holder inference step.